

PANEL HEATER

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Abstract

PURPOSE: To provide a panel heater with light weight, high heating efficiency such as realizing quick heating effect after electricity supply and high heating response, and high rigidity and strength.

CONSTITUTION: A panel heater 1 comprises a honeycomb core 3 made of flat aggregate of hollow pillar-shaped cells 2, serving as a core material, a resin heating sheet 5 which generates heat by current-carrying, fixed to one aperture end surface 4 of the honeycomb 3, and a heat radiation preventing board 7 fixed to the other aperture end surface 6. The resin heating sheets 5 may be fixed to both aperture end surfaces 4, 6 of the honeycomb 3. Since the heating sheet 5 generates heat by current-carrying, the panel heater 1 is used in heating of the wall or floor. A thin sheet is interposed between the heating sheet 5 and the aperture end surface 4 or 6 of the honeycomb 3 if necessary.

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